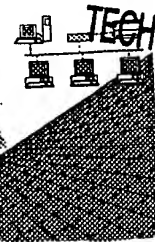


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APR 15 2003

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



TECH CENTER 1600/2900

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/904,553A

Source:

1600

Date Processed by STIC:

4/10/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: [robert.wax@uspto.gov](mailto:robert.wax@uspto.gov) Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202  
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/01/2003

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/904,553A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics  
Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☒ Misaligned Amino  
Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ Variable Length  
Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0  
"bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ Skipped Sequences  
(OLD RULES)  
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ Skipped Sequences  
(NEW RULES)  
Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 ☒ Use of n's or Xaa's  
(NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ Invalid <213>  
Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or Artificial Sequence
- 11 ☐ Use of <220>  
Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0  
"bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

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1600

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/904,553A

DATE: 04/10/2003  
TIME: 13:53:09

Input Set : A:\P1618P2C2.txt  
Output Set: N:\CRF4\04102003\I904553A.raw

W--> 1 Patin Docket Preview *delete*  
7 <110> APPLICANT: Chen, Jian  
8 Goddard, Audrey  
9 Gurney, Austin L.  
10 Hillan, Kenneth  
11 Pennica, Diane  
12 Wood, William I.  
13 Yuan, Jean  
15 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
16 Acids Encoding the Same  
18 <130> FILE REFERENCE: P1618P2C2  
20 <140> CURRENT APPLICATION NUMBER: US 09/904,553A  
21 <141> CURRENT FILING DATE: 2001-07-13  
23 <150> PRIOR APPLICATION NUMBER: US 09/665,350  
24 <151> PRIOR FILING DATE: 2000-09-18  
26 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
27 <151> PRIOR FILING DATE: 2000-02-22  
29 <150> PRIOR APPLICATION NUMBER: PCT/US98/18824  
30 <151> PRIOR FILING DATE: 1998-09-10  
32 <150> PRIOR APPLICATION NUMBER: US 60/062,285  
33 <151> PRIOR FILING DATE: 1997-10-17  
35 <160> NUMBER OF SEQ ID NOS: 424

Does Not Comply  
Corrected Diskette Needed

# ERRORED SEQUENCES

15186 <210> SEQ ID NO: 424  
15187 <211> LENGTH: 17  
15188 <212> TYPE: PRT  
15189 <213> ORGANISM: Artificial sequence  
15191 <220> FEATURE:  
15192 <223> OTHER INFORMATION: Artificial polypeptide  
15194 <220> FEATURE:  
W--> 15195 <221> NAME/KEY: Artificial Sequence *delete*  
15196 <222> LOCATION: 1, 4, 6, 8, 10, 12, 14, 16  
15197 <223> OTHER INFORMATION: Artificial Sequence  
15199 <220> FEATURE: See item 9 on Error Summary Sheet  
15200 <221> NAME/KEY: unsure  
15201 <222> LOCATION: 9, 11, 13, 15, 17  
15202 <223> OTHER INFORMATION: unknown amino acid  
15204 <400> SEQUENCE: 424  
E--> 15205 Xaa Asn Cys Xaa Cys Xaa Cys Xaa Cys Xaa Gly Xaa  
15206

*pp 1-2*

These are not needed, since sequence is already described as "Artificial Sequence" in 2137

These are Xaa locations. "Artificial Sequence" does not describe them.

What is this? This is invalid and does not belong in the sequence. Delete it.

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/904,553A

DATE: 04/10/2003  
TIME: 13:53:10

Input Set : A:\P1618P2C2.txt  
Output Set: N:\CRF4\04102003\I904553A.raw

E--> 15208 Cys Xaa Asn  
15

Misaligned amino acid numbers, beginning with "10"  
on p. 1

See Item 3 on Euro Summary Sheet

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/904,553A

DATE: 04/10/2003

TIME: 13:53:11

Input Set : A:\P1618P2C2.txt

Output Set: N:\CRF4\04102003\I904553A.raw

L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:  
L:585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0  
M:341 Repeated in SeqNo=13  
L:902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:2087 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:50  
L:4499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:1450  
L:5070 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:1800  
L:6720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:1650  
L:6896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:525  
L:8258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:950  
M:341 Repeated in SeqNo=206  
L:15195 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:424  
L:15205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:424 after pos.:0  
L:15205 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1  
M:341 Repeated in SeqNo=424  
L:15208 M:252 E: No. of Seq. differs, <211> LENGTH:Input:17 Found:18 SEQ:424